



CONSTRUCTION VALUE ENGINEERING CONCEPT PROPOSAL
MISSOURI DEPARTMENT OF TRANSPORTATION

Contract ID 080125-608 **Date** 04/03/2008
County St. Louis **Route** 141 **Job No.** J6P1985
Contractor N.B. West Contracting Company **Original Bid Cost** \$1,263,993.15
Designed By Randall Glaser **By** Michael T. Manion
Phone (314) 962-3145

VE # 08-20

1. Description of existing requirements and proposed change(s). Advantages/Disadvantages

333.2 SY of Partia Depth pavement repairs & 36.6 Tons of Furn & Place asphalt.
909.66 SY Cold milling Depth transitions. (1 3/4" on each end of old rte 21).

Change: Cold mill (up to 1 3/4" max.) of existing material under cold milling 3 inch or less item set up.

- 2. Estimate of reduction in construction costs.** \$21,886.42
3. Prediction of any effects the proposed change(s) will have on other department costs, such as maintenance and operations.

Will reduce future maintenance cost by removing the failed asphalt prior to applying the BP-1 overlay.
This will eliminate having multiple repairs in one location.

4. Anticipated date for submittal of detailed change(s) of items required by Section 104.6 of the Specifications.

04/07/2008

(date)

5. Deadline for issuing a change order to obtain maximum cost reduction, noting the effect of contract completion time or delivery schedule.

04/14/2008

(date)

(effect)

6. Dates of any previous or concurrent submission of the same proposal.

04/03/2008

(date and/or dates)

Additional Comments:

N.B West would be able to mill and fill this area in one day compared to 2 or 3 days. This will reduce lane closures on this section.

**** Portion Below This Line To Be Filled Out by MoDOT ****

Comments: All members of the core team are in agreement with this VE. Because the existing layer of Bituminous Material is in such bad shape, removal and replacement is a much sounder engineering decision, not to mention it will save time and money to this contract. The MoDOT Project Manager reviewed this concept and finds it acceptable to mill and replace 1-3/4" only with BP-1 asphalt. I find this Value Engineering Concept Proposal acceptable.



Submitted By Resident Engineer

04/04/2008

Date

Comments: AS NOTED ABOVE.

☒ Approval
Recommended

☐ Rejection
Recommended



District Engineer

4-4-08

Date

Comments: Based on the understanding that all unstable material will be removed prior to resurfacing with BP-1

☒ Approval

☐ Rejection

PSM for Dave Ahlvers

State Operations Engineer

4/7/08

Date

Distribution: Resident Engineer, District Operations Engineer, State Operations Engineer
*Value Engineering Administrator - *MoDOT, P.O. Box 270, Jefferson City, MO 65102